





## Spatial frequency domain imaging for the assessment of scleroderma skin involvement: supplement

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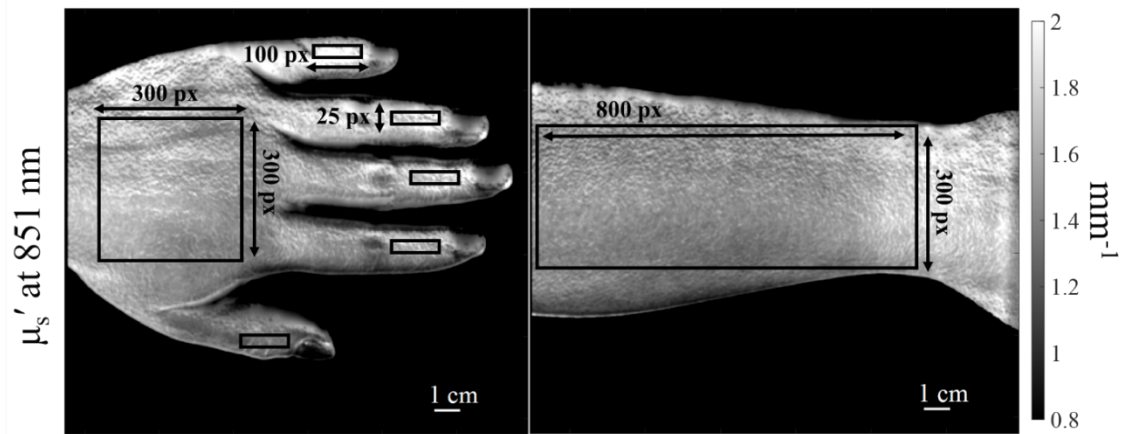
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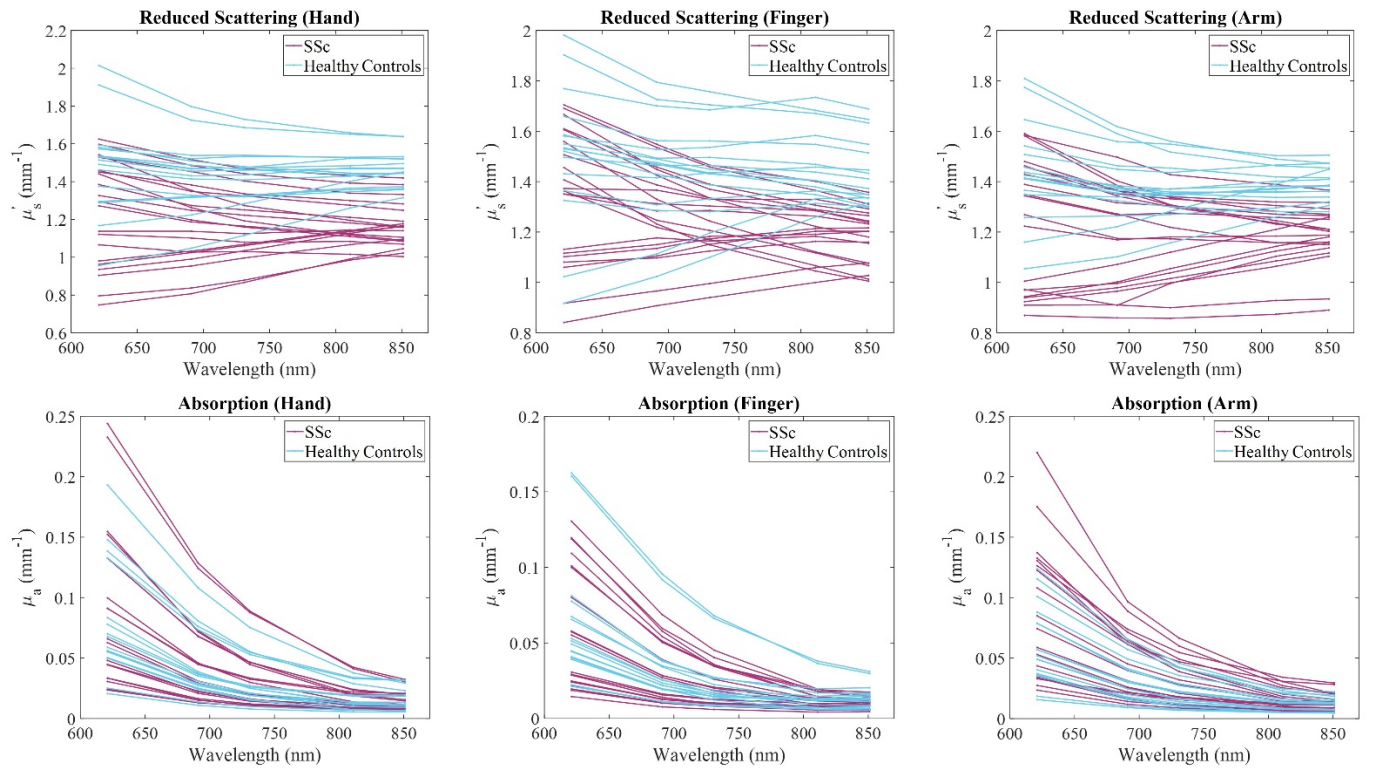
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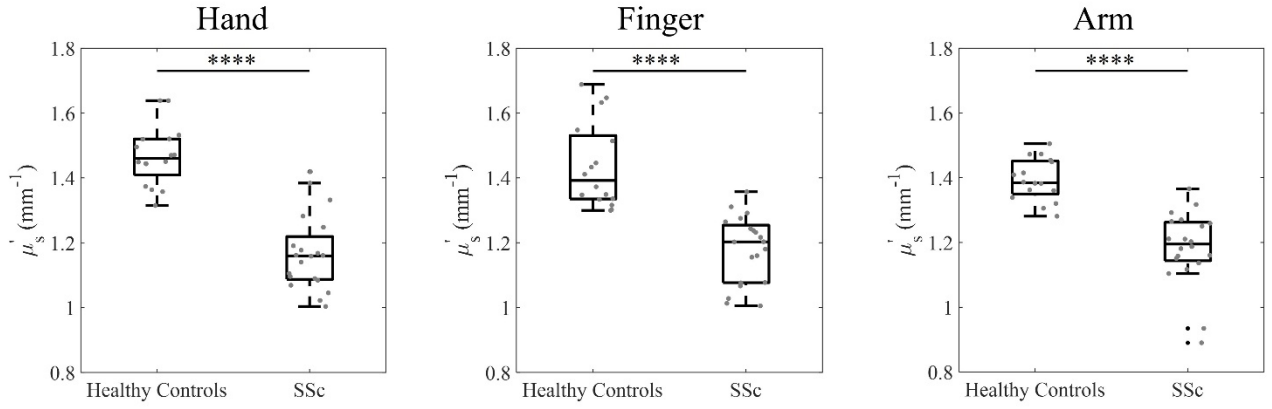
## Supplemental Figures:



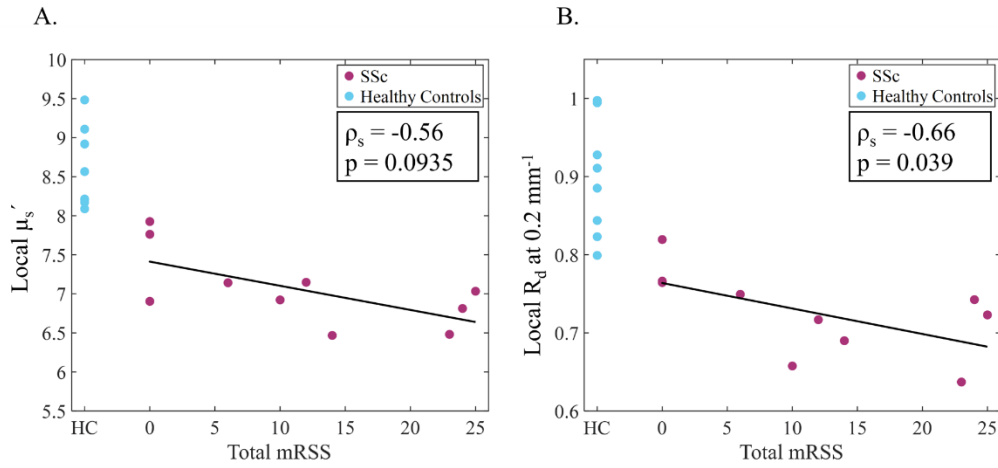
Supplemental Figure 1: Anatomic locations and sizes of selected regions of interest on an example subject's left hand and forearm.



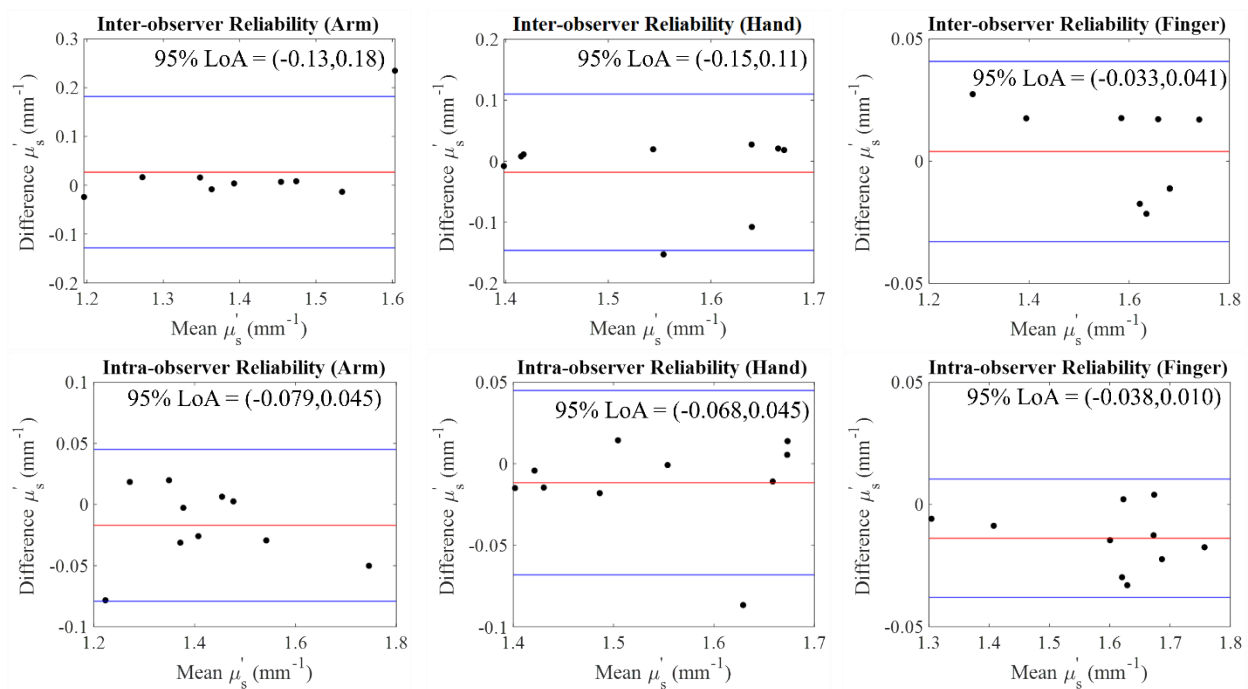
Supplemental Figure 2: Reduced scattering and absorption spectra for individual anatomic sites of SSc subjects (magenta) and healthy controls (blue). In the interest of conciseness, only the longest five wavelengths have been included in the spectra.



Supplemental Figure 3: The boxplots of measured  $\mu'_s$  at 851 nm for individual anatomical sites, showing difference between healthy controls and SSc patients. Box plots represent 25<sup>th</sup> and 75<sup>th</sup> percentiles, median as a line inside the box, and minimum and maximum values as whiskers. Asterisks indicate level of significance, \*\*\*\* $p < 0.0001$ .



Supplemental Figure 4: Correlation between the local  $\mu'_s$  at 851 nm from 6 locations sites and total mRSS from all 17 body locations (Spearman correlation coefficient = -0.56,  $p = 0.0935$ ). B) correlation between local  $R_d$  at  $f_x = 0.2 \text{ mm}^{-1}$  from 6 locations sites and total mRSS from all 17 body locations (Spearman correlation coefficient = -0.66,  $p = 0.039$ ).



Supplemental Figure 5: Bland Altman plots of inter- and intra-observer reliability tests. Limits of Agreement are listed on the figure.